

Rosslare *goPROX*[™]

AYC-E/F/G/M/Q60

Backlit *goPROX*[™] & PIN Reader – Convertible Series



goPROX[™] AYC family is a convertible PIN/Proximity Reader with Genuine HID Technology[™]. *goPROX*[™] AYC series automatically determines whether to function as a reader or as a secured standalone controller. If the unit is connected to a standard access control unit, then it functions as a reader. If the unit is connected to a Rosslare secured intelligent power supply such as the PS-A25T, PS-C25T, or PS-C25TU, it functions as a 500-user secured standalone controller.

GENERAL DESCRIPTION

As a reader, the units can read all HID Prox Cards/Tags (125 kHz FSK) using Genuine HID Technology[™] and outputs HID Prox card data in Wiegand according to the number of bits of data stored on the card. The units also read Rosslare PROX – EM Proximity Cards (125 kHz – EM) and can output EM card data as 26-Bit Wiegand, Clock & Data, and Wiegand + PIN. As a controller, the units accept up to 500 users, and allow entry via a personal identification number (PIN) and/or by presenting a proximity card. The PIN code length for the controller can vary. The PIN code length can be a set number of 4, 5, or 6 digits or it can be flexible from 4 to 8 digits.

MAIN FEATURES

- Unique backlit piezoelectric keys
 - User-friendly menu based on keypad, LED and sounder indicators
 - Back and cover optical tamper detection and output
 - Default operation as a multi-format reader (Rosslare PROX and HID Genuine Technology[™] formats, Wiegand 26 bits, Clock & Data)
 - Automatically recognizes Rosslare's PS-x5 intelligent power supply family converting it into a 500-user standalone controller with secure relays
 - 3 security levels (controller mode): Bypass (free entry), Normal (card or PIN required) or Secure (card + PIN)
- Advanced, secure, multi-application functionality for intelligent installations
 - Smooth, attractive design, with all-weather indoor and outdoor operation
 - 2 tri-colored LEDs and an integral sounder for programming and operation

SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

■ Operating Voltage Range	5–16 VDC
■ Standby Input Current	100 mA
■ Maximum Input Current	140 mA
■ Tamper Output	Open collector, active low, max. sink current 32 mA
■ LED Control Input	Dry Contact N.O.
■ Cable Distance Host Controller	Up to 500 ft (150 m) using an 18 AWG cable
■ Max Proximity Card Range	2.165 in. (55 cm)
■ Proximity Card Modulation	Rosslare PROX – EM/HID Prox at 125 KHz
■ Card Transmit Format (Reader)	Rosslare PROX – EM cards: 26-bit Wiegand, or Clock & Data HID cards: According to card type
■ LED Indicators	Two tri-colored LEDs
■ Compatible Cards	125KHz and / or dual technology ISO cards, Clamshell and tags

ENVIRONMENTAL SPECIFICATIONS

■ Operating Temperature	-22°F to 150°F (-30°C to 65°C)
■ Operating Humidity	0% to 95% (non-condensing)
■ Outdoor Usage	Weather-resistant, meets IP-65, epoxy potted, suitable for outdoor use

MECHANICAL SPECIFICATIONS

	AYC-E60	AYC-F60	AYC- G60	AYC-M60	AYC-Q60
■ Dimensions (L x W x H)	6.1 x 1.7 x 0.35 in. 155 x 44 x 9 mm	4.72 x 3 x 0.872 in. 120 x 76 x 21 mm	5.39 x 1.73 x 0.83 in. 137 x 44 x 21 mm	3.64 x 3.64 x 0.70 in. 92.5 x 92.5 x 17.8 mm	4.72 x 3 x 0.966 in. 120 x 76 x 22 mm
■ Weight	0.315 lbs (143 g)	1.05 lbs (480 g)	0.35 lbs (160 g)	0.37 lbs (170 g)	1.05 lbs (480 g)

SYSTEM COMPONENTS

The AYC-E/F/G/M/Q60 units are compatible with Rosslare's controllers (such as AC-225, AC-425, and ExpansE) as well as various third-party systems. Compatible with Rosslare PROX – EM cards and HID cards.

PRODUCT WARRANTY

5-year Limited Product Warranty

ABOUT ROSSLARE SECURITY

Rosslare Security Products, a division of Rosslare Enterprises Ltd., has been manufacturing high-quality security products since 1980. The company's three main lines – Access Control, Intrusion Detection and Guard Patrol – together with a growing product range have transformed Rosslare Security into a major worldwide force in security. Rosslare holds itself to the highest standards of customer service and manufacturing (ISO 9001:2008, ISO 14001:2004, ISO 13485:2003). The company complies with the EU Directive 2002/95/EC on Restriction of Hazardous Substances (RoHS).

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